

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number		09529172	
	Filing Date		2000-09-11	
	First Named Inventor	Meir Edelman		
	Art Unit	1638		
	Examiner Name	A. D. Mehta		
	Attorney Docket Number	EDELMAN1		

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S.PATENT APPLICATION PUBLICATIONS						Remove
Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20030115640	A1	2003-06-19	Stomp	

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

FOREIGN PATENT DOCUMENTS								Remove
Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> i	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1							<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

Add

NON-PATENT LITERATURE DOCUMENTS			Remove
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		09529172
Filing Date		2000-09-11
First Named Inventor	Meir Edelman	
Art Unit		1638
Examiner Name	A. D. Mehta	
Attorney Docket Number		EDELMAN1

1	MILLAR et al, "Firefly Luciferase as A Reporter of Regulated Gene Expression In Higher Plants," Plant Mol Biol Rep 10:324-337 (1992)	<input type="checkbox"/>
2	MURASHIGE et al, "A Revised Medium For Rapid Growth And Bioassays With Tobacco Tissue Cultures," Physiol Plant 15:473-497 (1962)	<input type="checkbox"/>
3	NGO, "Boosting Pond Performance With Aquaculture," Operations Forum 4:20-23 (1987)	<input type="checkbox"/>
4	OKUBARA et al, "Analysis of Genes Negatively Regulated By Phytochrome Action In Lemna Gibba And Identification of A Promoter Region Required For Phytochrome Responsiveness," Plant Physiol 101:915-924 (1993)	<input type="checkbox"/>
5	OOMS et al, "Octopine Ti-Plasmid Deletion Of Agrobacterium Tumefaciens With Emphasis on The Right Side Of The T-Region," Plasmid 7:15-29 (1982)	<input type="checkbox"/>
6	PEN et al, "Production of Active Bacillus Licheniformis A-Amylase In Tobacco And Its Application In Starch Liquefaction," Bio/Technology 10:292-296 (1992)	<input type="checkbox"/>
7	POSNER, "Aquatic Vascular Plants," Methods In Developmental Biology, Eds. Wiit F.A. And Wessels N.K (Crowell, New York), pp.301-317 (1967)	<input type="checkbox"/>
8	THOMPSON et al, "Characterization of The Herbicide-Resistance Gene bar From Streptomyces Hygroscopicus," EMBO J 9:2519-2523 (1987)	<input type="checkbox"/>
9	VANCANNEYT et al, "Construction of An Intron-containing Marker Gene Splicing of The Intron In Transgenic Plants Events In Agrobacterium-mediated Plant Transformation," Mol Gen Genet 220:245-250 (1988)	<input type="checkbox"/>
10	VANLAREBEKE et al, "Large Plasmid In Agrobacterium Tumefaciens Essential For Crown Gall-Inducing Ability," Nature 252:169-170 (1974)	<input type="checkbox"/>
11	WEISING et al, "Foreign Genes in Plants Transfer Structure Expression and Applications," Ann Rev Genet 22:421-477 (1988)	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	09529172
Filing Date	2000-09-11
First Named Inventor	Meir Edelman
Art Unit	1638
Examiner Name	A. D. Mehta
Attorney Docket Number	EDELMAN1

12	GRAY et al, "Cloning and Expression of murine immune interferon cDNA," Proc Natl Acad Sci USA 80:5842-5846 (1983)	<input type="checkbox"/>
13	MA et al, "Generation and Assembly of Secretory Antibodies in Plants," Science 268:716-719 (1995)	<input type="checkbox"/>
14	LES et al, "Landoltia (Lemnaceae), a New Genus of Duckweeds," Novon 9:530-533 (1999)	<input type="checkbox"/>
15	LEELAVATHI et al, "A simple and rapid Agrobacterium-mediated transformation protocol for cotton (Gossypium hirsutum L.): Embryogenic calli as a source to generate large numbers of transgenic plants," Plant Cell Rep 22:465-470 (2004)	<input type="checkbox"/>
16	BOULTON et al, "Specificity of Agrobacterium-mediated delivery of Maize Streak Virus DNA To Members Of The Gramineae," Plant Molecular Biology 12:31-40 (1989)	<input type="checkbox"/>
17	JACH et al, "Enhanced Quantitative Resistance Against Fungal Disease By Combinatorial Expression of Different Barely Antifungal Proteins In Transgenic Tobacco," Plant J 8(1):97-109 (1995)	<input type="checkbox"/>
18	KOMARI et al, "Vectors Carrying Two Separate T-DNAs for Co-Transformation of Higher Plants Mediated by Agrobacterium tumefaciens and Segregation of Transformants Free From Selection Markers," Plant J 10(1):165-174 (1996)	<input type="checkbox"/>
19	JONES et al, "Isolation and Characterization of A Putative Collagen Gene From The Potato Cyst Nematode Globodera Pallida," Parasitology 113:581-588 (1996)	<input type="checkbox"/>
20	HOEVER et al, "Overexpression Of Wild-type p53 Interferes With Normal Development In Xenopus Laevis Embryos," Oncogene 9:109-120 (1994)	<input type="checkbox"/>
21	BATES, "Electroporation of Plant Protoplasts And Tissues," Methods In Cell Biology 50:363-373 (1995)	<input type="checkbox"/>
22	OKUBARA et al, "Analysis of Genes Negatively Regulated By Phytochrome Action In Lemna Gibba and Identification of A Promoter Region Required For Phytochrome Responsiveness," Plant Physical 101:915-924 (1993)	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		09529172
Filing Date		2000-09-11
First Named Inventor	Meir Edelman	
Art Unit		1638
Examiner Name	A. D. Mehta	
Attorney Docket Number		EDELMAN1

23	MOON et al, "Effects Of Medium Components and Lights on Callus Induction, Growth, and Frond Regeneration in Lemna Gibba (Duckweed)," In Vitro Cell Dev. Biol-Plant 33:20-25 (1997)	<input type="checkbox"/>
24	SLOVIN et al, "Levels of Indole-3-Actic Acid in Lemna Gibba G-3 And In A Large Mutant Regenerated from Tissue Culture," Plant Physical 86:522-526 (1988)	<input type="checkbox"/>
25	SANFORD et al, "Optimizing The Biolistic Process For Different Biological Applications, Methods In Enzymology," Methods Enzymol 217:483-509 (1993)	<input type="checkbox"/>
26	ROLFE et al, "Deletion Analysis of A Phytochrome-regulated Monocot rbcS Promoter In A Transient Assay System," Proc Natl Acad Sci USA 88:2683-2686 (1991)	<input type="checkbox"/>
27	CHANG et al, "The Cultivation and the Nutritional Value of Lemnaceae," Bull Inst Chem Acad Sin 24:19 (1977)	<input type="checkbox"/>
28	DEBLOCK et al, "Transformation of Brassica napus and Brassica oleracea using Agrobacterium tumifaciens and Expression of the bar and neo Genes in the Transgenic Plants," Plant Physiol 91:694-701 (1989)	<input type="checkbox"/>
29	GAMBORG et al, "Plant Tissue Culture Media," In Vitro 12(7):473-478 (1976)	<input type="checkbox"/>
30	HIATT, "Antibodies Produced in Plants," Nature 344:469-470 (1990)	<input type="checkbox"/>
31	KOMARI et al, "Vectors carrying two separate T-DNAs for co-transformation of higher plants mediated by agrobacterium tumefaciens and segregation of transformants free from selection markers," Plant J 10(1):165-174 (1996)	<input type="checkbox"/>
32	LANDOLT, "Physiologische und ökologische Untersuchungen an Lemnaceen," Berichte der Schweizerischen Botanischen Gesellschaft, Ed. Gaumann, pp. 271-410 (1957)	<input type="checkbox"/>
33	STOMP et al, "Genetically Engineered Duckweed," Provisional application no. 60/055,474, filed 8/12/97; published application claiming priority thereto is 20030115640	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		09529172
Filing Date		2000-09-11
First Named Inventor	Meir Edelman	
Art Unit		1638
Examiner Name	A. D. Mehta	
Attorney Docket Number		EDELMAN1

34	JANI et al, "Studies on the immunogenic potential of plant-expressed cholera toxin B subunit," Plant Cell Rep 22:471-477 (2004)	<input type="checkbox"/>
35	ZENG et al, "Refined glufosinate selection in Agrobacterium-mediated transformation of soybean [Glycine max (L.) Merrill]," Plant Cell Rep 22:478-482 (2004)	<input type="checkbox"/>
36	CHO et al, "Stable transformation of rice (Oryza sativa L.) via microprojectile bombardment of highly regenerative, green tissues derived from mature seed," Plant Cell Rep 22:483-489 (2004)	<input type="checkbox"/>
37	RIGANO et al, "Production of a fusion protein consisting of the enterotoxigenic Escherichia coli heat-labile toxin B subunit and a tuberculosis antigen in Arabidopsis thaliana," Plant Cell Rep 22:502-508 (2004)	<input type="checkbox"/>
38	VIYAYACHANDRA et al, "Rice scutellum induces Agrobacterium tumefaciens vir genes and T-strand generation," Plant Mol Biol 29:125-133 (1995)	<input type="checkbox"/>
39	BIRCH, "Plant Transformation: Problems and Strategies for Practical Application," Plant Mol Biol 48:297-326 (1997)	<input type="checkbox"/>
40	POTRYKUS, "Gene transfer to Plants: Assessment of Published Approaches and Results," Ann Rev Plant Physiol Plant Mol. Biol. 42:205-225 (1991)	<input type="checkbox"/>
41	PIETRZAK et al, "Expression in plants of two bacterial antibiotic resistance genes after protoplast transformation with a new plant expression vector," Nucl Acid Res 14:5857-5869 (1986)	<input type="checkbox"/>
42	LOMMEL et al, "Identification of the Maize chlorotic mottle virus capsid protein cistron and characterization of its subgenomic messenger RNA," Virology 181(1):382-385 (1991) ABSTRACT ONLY	<input type="checkbox"/>
43	MAIER-GREINER et al, "Isolation and Properties of a Nitrile Hydratase from the Soil Fungus Myrothecium verrucaria that is Highly Specific for the Fertilizer Cyanamide and Cloning of its gene," Proc Natl Acad Sci USA 88 (10):4260-4264 (1991)	<input type="checkbox"/>
44	STIEKEMA et al, "Nucleotide sequence encoding the precursor of the small subunit of ribulose 1,5-bisphosphate carboxylase from Lemna gibba L.G-3," Nucl Acid Res 11(22):8051-8061 (1983)	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		09529172
Filing Date		2000-09-11
First Named Inventor	Meir Edelman	
Art Unit	1638	
Examiner Name	A. D. Mehta	
Attorney Docket Number	EDELMAN1	

45	TILLBERG et al, "Growth Cycles in Lemna gibba Cultures and Their Effects on Growth Rate and Ultrastructure," Physiol Plant 46:5-12 (1979)	<input type="checkbox"/>
46	ARMSTRONG et al, "Establishment and maintenance of friable embryogenic maize callus and the involvement of L- proline," Planta 164:207-214 (1985)	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

**EXAMINER SIGNATURE**

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	09529172
Filing Date	2000-09-11
First Named Inventor	Meir Edelman
Art Unit	1638
Examiner Name	A. D. Mehta
Attorney Docket Number	EDELMAN1

**CERTIFICATION STATEMENT**

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/rlb/	Date (YYYY-MM-DD)	2006-08-09
Name/Print	Roger L. Browdy	Registration Number	25618

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

## Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.